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Amendments to the Claims

- Claim 1 (currently amended): A computer-implemented method of classifying an Internet object comprising the steps of:
- (a) computing any combination of coefficients for the Internet object from the group of data type coefficients comprising (i) a descriptor coefficient, (ii) a name coefficient, (iii) a text coefficient, (iv) a image coefficient, (v) a audio coefficient, (vi) a video coefficient, (vii) a plug-in coefficient, and (viii) a relational coefficient; and
 - (b) classifying ~~said~~ the Internet object using the any combination of ~~at least one of said~~ coefficients ~~[[.]]~~ by automatic comparison of the any combination of coefficients to identified criteria.
- Claim 2 (currently amended): ~~A computer implemented~~ The method of ~~classifying an Internet object as recited in claim 1,~~ further including the step of combining and weighting all of said coefficients except for said relational coefficient, and generating a first weighted sum.
- Claim 3 (currently amended): ~~A computer implemented~~ The method as recited in claim 2, further including the steps of:
- providing a threshold value;
- determining if said first weighted sum is greater than or less than said threshold value;
- wherein said classifying step includes the acts of classifying said Internet object whereby, such that if said first weighted sum is greater than said threshold value, said Internet object is classified as adult content , ~~and if said first weighted sum is less than said threshold value, said object is not classified as adult content.~~
- Claim 4 (currently amended): ~~[[A]]~~ The method as recited in claim 3, further including the steps of:
- computing said relational coefficient if said object is not classified as adult content in said classifying step; and
- ~~C~~combining and weighting all of said coefficients; and
- generating a second weighted sum.

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Claim 5 (currently amended): [[A]] The method as recited in claim 2, further including the steps of:

providing a threshold value;

determining if said second weighted sum is greater than or less than said threshold value;

wherein said classifying step includes the acts of classifying said Internet object whereby, such that if said second weighted sum is greater than said threshold value, said object is classified as adult content, and if said second weighted sum is less than said threshold value, said object is not classified as adult content.

Claim 6 (currently amended): [[A]] The method of classifying an Internet object as recited in claim 3, further including the step of blocking or filtering access to Internet objects that exceed the tolerated threshold for adult content by taking the following steps: (a) storing the URLs of sites which contain said Internet object in a database, if said first weighted sum is greater than said threshold value whereby such that said sites can be blocked or filtered by referencing said database when the Internet is accessed.

Claim 7 (currently amended): [[A]] The method of classifying an Internet object as recited in claim 3, further including the step of blocking or filtering access to Internet objects that exceed the tolerated threshold for adult content by taking the following steps: (a) storing the URLs of sites which contain said Internet object in a database, if said second weighted sum is greater than said threshold value whereby such that said sites can be blocked or filtered by referencing said database when the Internet is accessed.

Claim 8 (currently amended): [[A]] The method of classifying an Internet object as recited in claim[[s]] 1 wherein said step of computing the descriptor coefficient comprises the steps acts of:

- (a) Identifying the PICS code in a metadata of an Internet object;
- (b) Parsing labels of said PICS code; and
- (c) Calculating a descriptor coefficient by computing the weighted average of the ratings of said labels.

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Claim 9 (currently amended): ~~[[A]]The method of classifying an Internet object as recited in claim 1 wherein said step of computing the name coefficient comprises the steps acts of:~~

- (a) ~~C~~ompiling a keyword list of words that are likely to indicate adult content;
- (b) ~~[[G]]~~generating a weighted keyword list by assigning each word or phrase in the keyword list a weight, such that a higher weight is given to words or phrases that are more likely to indicate adult content;
- (c) ~~P~~roviding an automated robot with the keyword list;
- (d) ~~C~~omputing substrings in the name of the Internet object and comparing each substring to the weighted keyword list; and
- (e) ~~[[A]]~~adding weights of all weighted keywords found in all substrings to compute the name coefficient.

Claim 10 (currently amended): ~~[[A]]The method of classifying an Internet object as recited in claim 1 wherein said step of computing the text coefficient comprises the steps acts of:~~

- (a) ~~C~~ompiling a keyword and phrases list of words and phrases that are likely to indicate adult content;
- (b) ~~[[A]]~~assigning each word or phrase in the keyword and phrases list a weight, such that a higher weight is given to words that are more likely to indicate adult content;
- (c) ~~P~~roviding an automated robot with the keyword and phrases list;
- (d) ~~[[E]]~~eliminating any formatting from the text of the Internet object to obtain an unformatted text;
- (e) ~~R~~educing each individual word in the unformatted text to a stem, using a stemming algorithm;
- (f) ~~C~~omparing each stemmed word to the weighted keyword and phrases list;
- (g) ~~C~~alculating the text coefficient by first adding weights of all weighted keywords and phrases found in all stemmed words,

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and then multiplying that total by a scaling or weighting constant, which is a mathematical function of the total number of words in the Internet object; and

- (h) ~~D~~ividing the resulting number by the number of words in an Internet object.

Claim 11 (currently amended): ~~[[A]]The method of classifying an Internet object as recited in claim 1 wherein said step of computing the image coefficient comprises the steps acts of:~~

- (a) ~~[[E]]~~establishing a range of Hue-Saturation-Value ("HSV") colour space values for skin tones;
- (b) ~~E~~converting the colour of the Internet object into the HSV colour space;
- (c) ~~E~~comparing every pixel of the Internet object image to identify which pixels fall within the colour space values;
- (d) ~~D~~ividing the number of skin tone pixels in the Internet object image by the total number of pixels in the image;
- (e) ~~D~~isregarding images that have less than a threshold proportion of skin pixels;
- (f) ~~[[A]]~~assigning each image in an Internet object that meets or exceeds the threshold proportion of skin pixels a nudity coefficient equal to the percentage of skin pixels in the image;
- (g) ~~W~~weighting the nudity coefficient of each image in an Internet object using specified weighting;
- (h) ~~E~~calculating the image coefficient by first adding together all of the weighted nudity coefficients generated by an Internet object; and
- (i) ~~M~~ultiplying the total of all weighted nudity coefficients by a scaling or weighting constant, which is a mathematical function of the total number of images in the Internet object.

Claim 12 (currently amended): ~~[[A]]The method of classifying an Internet object as recited in claim 1 wherein said step of computing the audio coefficient comprises the steps acts of:~~

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- (a) ~~C~~onverting any audio components in the Internet object into unformatted text using a speech recognition algorithm;
- (b) ~~C~~oncatenating the text data; and
- (c) ~~[[E]]~~evaluating the resultant text data using the ~~method~~ acts set out in claim 10 (i.e. text coefficient ~~method~~), and assigning a text coefficient using the ~~method~~ acts set out in steps (a) to (b) of claim 10 to the resultant text.

Claim 13 (currently amended): ~~[[A]]The method of classifying an Internet object~~ as recited in claim 1 wherein said step of computing the video coefficient comprises the steps acts of:

- (a) ~~D~~ividing the video data into image and audio data as required by the media type;
- (b) ~~[[E]]~~evaluating the resultant image data using the ~~method~~ acts set out in claim 11 (i.e. image coefficient ~~method~~), and assigning an image coefficient for each frame of video data using the ~~method~~ acts set out in steps acts (a) to (i) of claim 11 above;
- (c) ~~[[E]]~~evaluating the resultant audio data using the ~~method~~ acts set out in claim 12 above (i.e. audio coefficient ~~[method]~~), and assigning an audio coefficient for the audio data using the ~~method~~ acts set out in steps (a) to (c) of claim 12 above; and
- (d) ~~C~~alculating the video coefficient by adding a weighted sum of the image and audio coefficients, with weighting being determined automatically or can be set by the user.

Claim 14 (currently amended): ~~[[A]]The method of classifying an Internet object~~ as recited in claim 1 wherein said step of computing the relational coefficient comprises the steps acts of:

- (a) ~~D~~etermining whether the CoAC of an Internet object, using the calculations in the following individual coefficients (i) the descriptor coefficient, (ii) the name coefficient, (iii) the text coefficient, (iv) the image coefficient, (v) the audio coefficient, (vi) the video coefficient, and (vii) the plug-in coefficient, results in a CoAC greater than a tolerated threshold;
- (b) ~~I~~f not, engaging in calculation of the relational coefficient by compiling a list of all Internet objects that the Internet object under consideration links to (the "linked-to objects"), as well as

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a list of all Internet objects that the Internet object under consideration is part of (the "part of objects");

- (c) ~~C~~checking the database referred to in Claim 6 to determine which of the "linked-to" objects and "part of" objects contain adult content that exceeds the tolerated threshold;
- (d) ~~C~~calculating an average CoAC of both the "linked to" objects and the "part of" objects that exceed the tolerated thresholds for adult content; and
- (e) ~~C~~calculating the relational coefficient by calculating a weighted average of the two averages determined in part (d) above, in which weighting can be determined automatically or can be set by the user.

Claim 15 (currently amended): A computer-implemented method of classifying an Internet object or an object stored on computer-readable media by identifying adult content by the amount of nudity found in the object by the method comprising the steps of:

- (a) ~~[[E]]~~establishing a range of Hue-Saturation-Value ("HSV") colour space values that are classified as skin tones;
- (b) ~~U~~pon reviewing images in an object, converting the colour of the object into the HSV colour space;
- (c) ~~C~~omparing every pixel of the object image to identify which pixels fall within the skin tone ranges established in step (a) above;
- (d) ~~D~~ividing the number of skin tone pixels in the object image by the total number of pixels in the image;
- (e) ~~D~~isregarding images that have less than a threshold proportion of skin pixels;
- (f) ~~[[A]]~~assigning each image in an object that meets or exceeds the threshold proportion of skin pixels a nudity coefficient equal to the percentage of skin pixels in the image;
- (g) ~~W~~weighting the nudity co-efficient of each image in an object by determining the size of the image;

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- (h) ~~C~~calculating the image coefficient by first adding together all of the weighted nudity coefficients generated by an object;
- (i) ~~M~~multiplying the total of all weighted nudity coefficients by a scaling or weighting constant, which is a mathematical function of the total number of images in the object; and
- (j) classifying the object using said weighted nudity coefficients.

Claim 16 (currently amended): A computer-implemented method of classifying an Internet object or an object stored on computer-readable media by identifying objects with adult content on the basis of the amount of adult content found in audio components of the object ~~by taking the following~~ the method comprising the steps of:

- (a) ~~C~~onverting any audio components in the object into unformatted text using any known speech recognition algorithm;
- (b) ~~C~~oncatenating the text data;
- (c) ~~[[E]]~~evaluating the resultant text data using the method set out in ~~steps~~ acts (a) to (h) of claim 10 above (i.e. text coefficient method), and assigning a text coefficient using the method set out in steps (a) to (h) of claim 10 to the resultant text.
- (d) classifying said object using said text coefficient.

Claim 17 (currently amended): A method of classifying an Internet object or an object stored on computer-readable media by identifying objects with adult content on the basis of the amount of adult content found in video components of the object ~~by taking the following~~ the method comprising the steps of:

- (a) ~~D~~ividing the video data into image and audio data as required by the media type;
- (b) ~~[[E]]~~evaluating the resultant image data using the ~~method~~ acts set out in ~~steps~~ acts (a) to (i) of claim 11 (i.e. image coefficient method), and assigning an image coefficient for each frame of video data using the ~~method~~ acts set out in ~~steps~~ acts (a) to (i) of claim 11 above;
- (c) ~~[[E]]~~evaluating the resultant audio data using the ~~method~~ acts set out in ~~steps~~ acts (a) to (c) of claim 12 (i.e. audio coefficient

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~~method~~), and assigning an audio coefficient for the audio data using the ~~method~~ acts set out in ~~steps~~ acts (a) to (c) of claim 12;

- (d) ~~E~~calculating the video coefficient by adding a weighted sum of the image and audio coefficients, in which weighting can be determined automatically or can be set by the user.

Claim 18 (cancelled)

Claim 19 (currently amended): ~~[[A]]The method of classifying an object stored on computer-readable media as recited in claim 14, and, in order to identify adult content, further comprising the step of calculating a weighted number to describe the coefficient of adult content ("CoAC") in order to identify adult content.~~

Claim 20 (cancelled)

Claim 21 (cancelled)

Claim 22 (cancelled)

Claim 23 (currently amended): ~~[[A]]The method of classifying an object stored on computer-readable media as recited in claim[[s]] 14, wherein said step act of computing the audio coefficient comprises the ~~steps~~ acts of:~~

- (a) ~~E~~converting any audio components in the object stored on computer-readable media into unformatted text using any known speech recognition algorithm;
- (b) ~~E~~concatenating the text; and
- (c) ~~[[E]]~~evaluating the resultant text data using the method set out in ~~steps~~ acts (a) to (h) of claim 10 (i.e. text coefficient ~~method~~), and assigning a text coefficient using the ~~method~~ acts set out ~~steps~~ in acts (a) to (h) of claim 10 to the resultant text.

Claim 24 (cancelled)

Claim 25 (new): The method as recited in claim 1, wherein the identified criteria comprises adult content criteria.

Claim 26 (new): The method as recited in claim 1, wherein the identified criteria comprises criteria other than adult content.

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- Claim 27 (new): The method as recited in claim 1, wherein the identified criteria is predetermined.
- Claim 28 (new): The method as recited in claim 1, wherein the identified criteria is user-definable.
- Claim 29 (new): The method as recited in claim 1, further comprising a step of filtering the Internet object whereby the Internet object is filtered based on classification.
- Claim 30 (new): The method as recited in claim 29, wherein the step of filtering Internet content is carried out as the Internet object passes through a TCP/IP stack.
- Claim 31 (new): The method as recited in claim 1, further comprising the step of censoring the Internet object.
- Claim 32 (new): The method as recited in claim 31, wherein the censoring step results in censoring of pictures, movies, television, radio and other media.
- Claim 33 (new): The method as recited in claim 1, further comprising the step of denying access to the Internet object.
- Claim 34 (new): The method as recited in claim 1, further comprising the step of allowing access to the Internet object.
- Claim 35 (new): The method as recited in claim 1, further comprising the step of controlling a component of a computer based on the classification of the Internet object.
- Claim 36 (new): The method as recited in claim 1, wherein the component of the computer in the controlling step is a printer.
- Claim 37 (new): The method as recited in claim 35, wherein the component of the computer in the controlling step is a network device.
- Claim 38 (new): The method as recited in claim 35, wherein the component of the computer in the controlling step is a storage device.
- Claim 39 (new): The method as recited in claim 35, wherein the component of the computer in the controlling step is a display.

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- Claim 40 (new): A computer readable memory having recorded thereon statements and instructions for execution by a computer to carry out the method of claim 1.
- Claim 41 (new): A computer readable memory having recorded thereon statements and instructions for execution by a computer to carry out the method of claim 15.
- Claim 42 (new): A computer readable memory having recorded thereon statements and instructions for execution by a computer to carry out the method of claim 16.
- Claim 43 (new): A computer readable memory having recorded thereon statements and instructions for execution by a computer to carry out the method of claim 17.

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